

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/34386

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G01N 33/53, 33/533, 33/534, 33/547, 21/7 6; C07F 9/32; C07K 16/00
US CL : 435/7.1, 7.5; 436/172, 545, 546; 530/389.8; 558/202

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 435/7.1, 7.5; 436/172, 545, 546; 530/389.8; 558/202

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0175986 A1 (Patricelli et al.) 18 September 2003, especially paragraph 0037, fig. 1 and claims 12-14.	1-10
Y	Paul et al., Phosphonate ester probes for proteolytic antibodies. J. Biol. Chem. 2001, Vol 276, No. 30, pp 28314-28320; especially page 28315, fig 1 and page 28316, left column, lines 49-53	11-19, 38-48
Y	US 6,235,714 B1 (Paul et al.) 22 May 2001; especially column 8, lines 15-21, 44-45	20-37
X	Liu et al. Activity-based protein profiling: The serine hydrolases; PNAS, 21 December 1999, Vol. 96, No.26, pp 14694-14699; especially pages 14694-14696 and conclusions, page	1-10
A	WO 02/063271 A2 (Paul et al.) 15 August 2002; especially title and abstract.	1-10

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search

19 April 2005 (19.04.2005)

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Faxsimile No. (703) 305-3230

Date of mailing of the international search report

16 MAY 2005

Authorized officer

Shafiqul Haq

Telephone No. 703-308-0198

INTERNATIONAL SEARCH REPORT

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PCT/US04/34386

Continuation of B. FIELDS SEARCHED Item 3:

APS, CAPLUS, EAST

Search terms: Structure search, antibody, proteolytic, phospho?, ester, label, conjugate, support, halogen